

# RELEASE / DISCHARGE NOTIFICATION

LOS ALAMOS NATIONAL LABORATORY

Permit Number: NM0028355

Calendar Year

2000

NPDES or Operational Spill/Release

ER Spill/Release

Other Spill/Release

Indicate with "X" in appropriate box.

Release ID Number:

99

Responsible Facility/User Group: Road&Ground

Contact Person: E. Holth

Pager #: 998-1279

Phone #: 865-6002

Cell Phone #: NA

Release/Discharge Location:

TA: 53

Building:

The landslide into the LA Canyon streamcourse is located below PRV pit 154. The actual location in lat/lon will be reported on the 15 day corrective action report.

If the release/discharge is associated with a NPDES Outfall, Potential Release Site (PRS) or Solid Waste Management Unit (SWMU), indicate the site/unit number and its relationship to the release/discharge:

NPDES Outfall:  PRS:  SWMU:  PRS/SWMU Number:

Indicate with "X" in appropriate box(es)

Relationship of the Discharge to a SWMU or PRS:

No SWMU or PRS was impacted

Discharge Occurred: 11/2/2000 3:30 p.m.  
Date & Time

Discharge Discovered: 11/2/2000 3:30 p.m.  
Date & Time

Discharge Stopped: 11/3/2000 1:00 p.m.  
Date & Time

Cleanup Started:   
Date & Time

Cleanup Completed:   
Date & Time

Material(s) Released / Discharged:

The landslide on the north face of Los Alamos canyon appears to have been exacerbated by the discharge of potable water from the PRV located on the mesa top due to a mechanical malfunction down stream of the potable water supply line (a faulty automatic valve that was unable to close completely and kept cycling). The soil on the canyon slope had become saturated due to recent rain fall. The influx of additional water from the PRV possibly caused the slope to fail.

Release/Discharge Mitigation Method:

The Automatic valve was repaired downstream which stopped the discharge from the PRV.

Weather Conditions:

Cold/snow

Duration of Release/ Discharge, in HOURS:

Est. Volume Released/ Discharged, in GAL.

Est. Volume Recovered, in GAL.

Corrective Actions Taken (ie, type of BMPs, etc):

The soil will be pulled back from the edge of the stream course and BMP's put in place.

Nearest Watercourse (Canyon Name)

Los Alamos Canyon



TA 53  
ASWUA  
1 ANK 02

If the release/discharge reached a watercourse, describe the estimated surface area affected, presence of release/discharge now in the watercourse, and the media the release/discharge was detected in:

Approximately 0.75 ac. Of canyon slope was affected by the landslide. An estimated 2 cu/yds. Of soil entered the LA Canyon streamcourse.

Depth to Groundwater, in FT, if known: 700

Distance to Nearest Drinking Water Well, in FT, if known: 2000 Well ID# OW-4

24-HOUR RELEASE / DISCHARGE NOTIFICATIONS

	Contact Person	Phone	Fax	Date & Time (or Comment)	
EPA:	E. Spencer	214-665-6475	214-665-6490	11/9/2000	by fax
NMED/SWQB:	Glenn Saums	827-0596	827-0160	11/3/2000	12:48 p.m.
NMED/GWQB:	Jim Mullany	827-0212	8272965	11/6/2000	7:48 a.m.
NMED/HRMB:	John Young	827-1557	827-1544	11/6/2000	8:03 a.m.
NMED/DOE-OB:	S. Yanicak	672-0448	672-0466	11/3/2000	12:45 p.m.
ESH-18:	H. Decker	665-2014	665-9344	11/3/2000	11:00 a.m.
DOE:	Mat Johansen	665-5046	665-4872	11/3/2000	1:10 p.m. (v-mail)
OTHER:	E. Hoth	665-6002	665-6636		
OTHER:					

Comments:

Form Completed By: H. Decker

7 DAY RELEASE / DISCHARGE ACTIONS

7 Day Notice  7 Day Notice Date: 11/9/2000 7 Day Notice By: H. Decker

Mark "X" when done.

Comments: An automatic valve on the downstream TA-53 fire protection water storage tank malfunctioned causing the upstream PRV to discharge in a cyclic manner of approximately 50 gallons of potable water every 2 to 3 seconds. This increased water to the already saturated canyon slope is believed to have caused the slope to fail causing a landslide that just barely entered the streamcourse in LA Canyon.

15 DAY RELEASE / DISCHARGE ACTIONS

15 day Follow-up Due: 11/23/2000 15-day Follow-Up By: H. Decker

Comments:

NMED 30 DAY APPROVAL / DISAPPROVAL

NMED 30 Day Response Date:

Comments:

David Gurule, Area Manager
Los Alamos Area Office
Department of Energy
Los Alamos, New Mexico 87544
(505) 667-5105

Dennis J. Erickson, ESH Division Director
University of California
Los Alamos National Laboratory
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87544
(505) 667-4218

## WATER QUALITY &amp; HYDROLOGY GROUP (SH-18)

## FAX TRANSMITTAL SHEET

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

DATE: November 9, 2000LOG NO: ESH-18:00-FAX-

TO: <u>B. Lucas</u> <u>G. Saums</u>	FAX #: <u>(505) 827-0160</u>	PHONE # <u>(505) 827-2933</u>	GRP ORG	<u>NMED/SWQB</u>
TO: <u>S. Yanicak</u>	FAX #: <u>(505) 672-0466</u>	PHONE # <u>(505) 672-0448</u>	GRP ORG	<u>NMED/AIP</u>
TO: <u>M. Johansen</u>	FAX #: <u>(505) 665-4872</u>	PHONE # <u>(505) 665-5046</u>	GRP ORG	<u>DOE/LAAO</u>
TO: <u>Everett Spencer</u>	FAX #: <u>(214) 665-6490</u>	PHONE # <u>(214) 665-6080</u> <u>(214) 665-6475</u>	GRP ORG	<u>EPA Region VI</u>
TO: <u>Deb Woitte</u>	FAX #: <u>(505) 665-4424</u>	PHONE # <u>(505) 667-3766</u>	GRP ORG	<u>LC GEN</u>
TO: <u>J. Mullany</u> <u>J. Jacobs</u>	FAX # <u>(505) 827-2965</u>	PHONE # <u>(505) 827-0212</u>	GRP ORG	<u>NMED/GWQB</u>
TO: <u>John Young</u>	FAX #: <u>(505) 827-1544</u>	PHONE # <u>(505) 827-1557</u>	GRP ORG	<u>NMED/HRMB</u>
TO: <u>M. Smithour</u>	FAX #: <u>(505) 665-5424</u>	PHONE # <u>667-7711</u>	GRP ORG	<u>JCNNM-UWGY</u>
TO: <u>E. Hoth</u>	FAX #: <u>(505) 665-6636</u>	PHONE # <u>(505) 665-6002</u>	GRP ORG	<u>FWO-UI</u>

FROM: Harvey Decker, ESH-18, MS K497 PHONE #: (505) 665-2014LA Canyon debris slide.

NUMBER OF PAGES TO FOLLOW: 2

Cy: ESH-18 FAX FILE  
CRM-4, MS A150  
ESH-18, spill file

GROUP LEADER/TEAM LEADER

HD for M.S